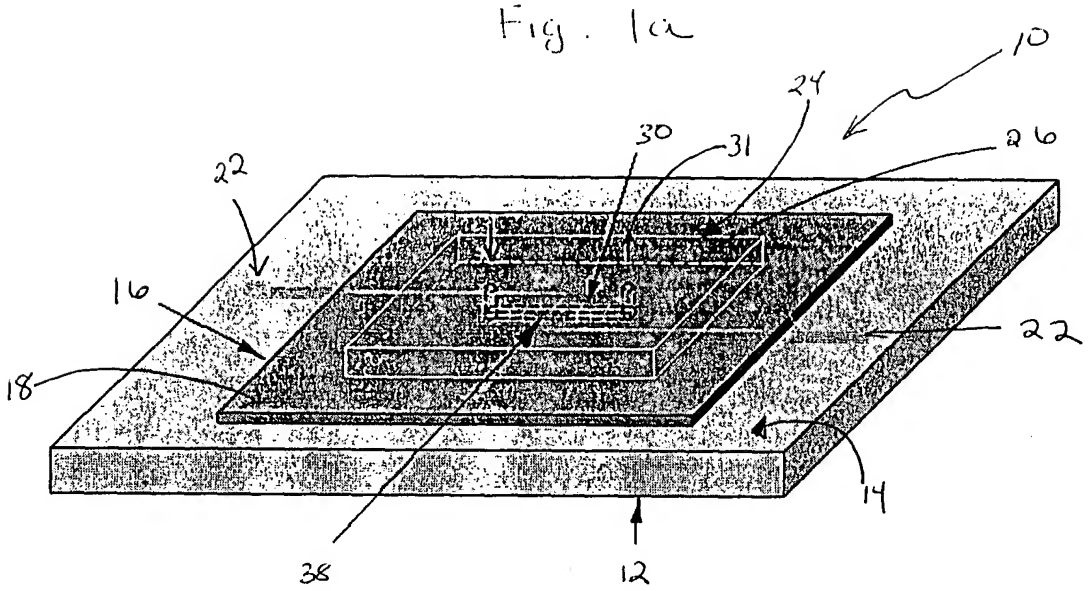
Fig. 1a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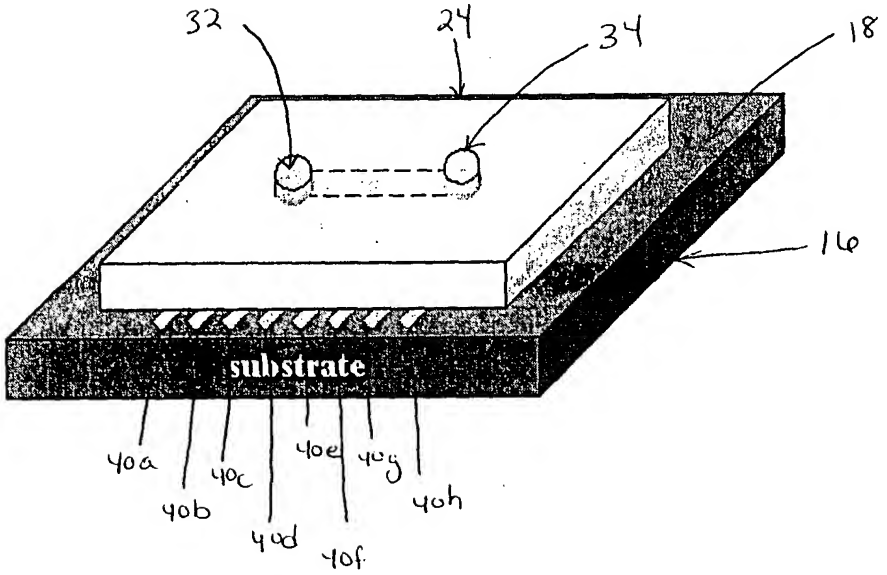
24
30
31
26
22
16
18
22
14
38
12

Fig 1b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24
34
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16
substrate
40a
40b
40c
40d
40e
40f
40g
40h

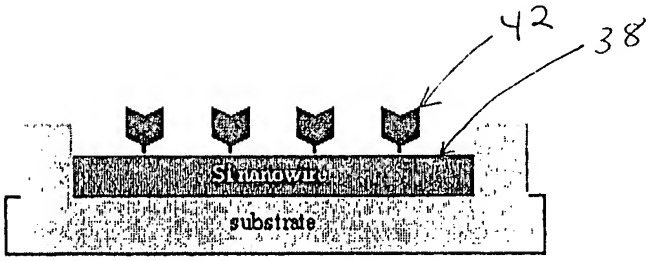


Figure 2a

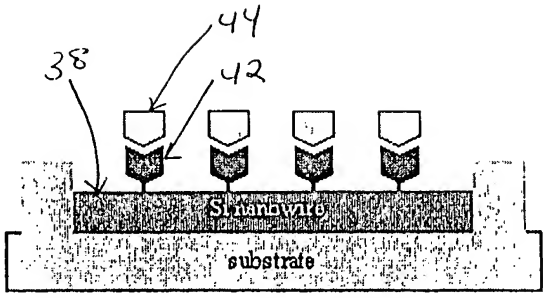


Figure 2b

FOTETE:4004205CT

Fig. 3a

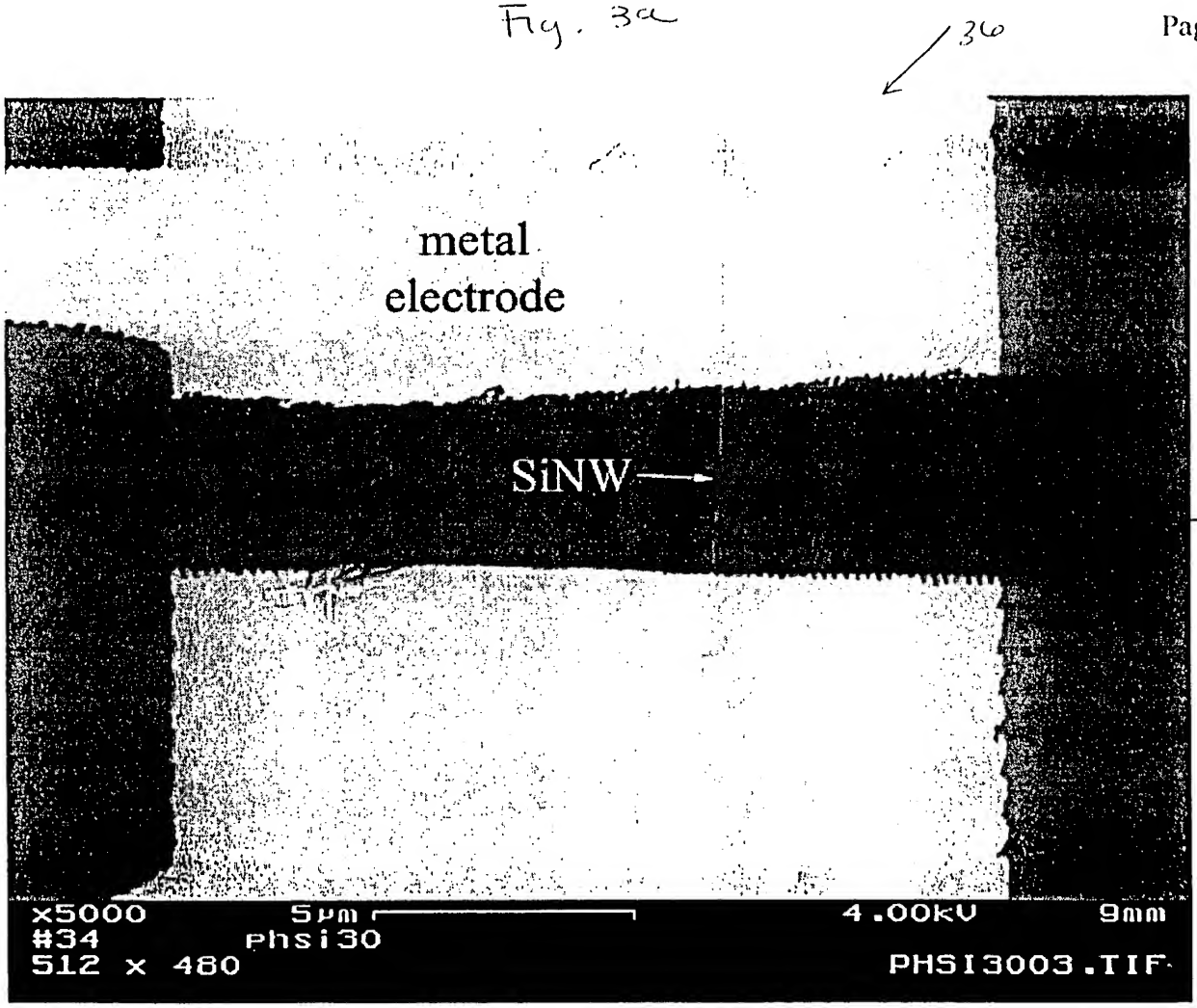
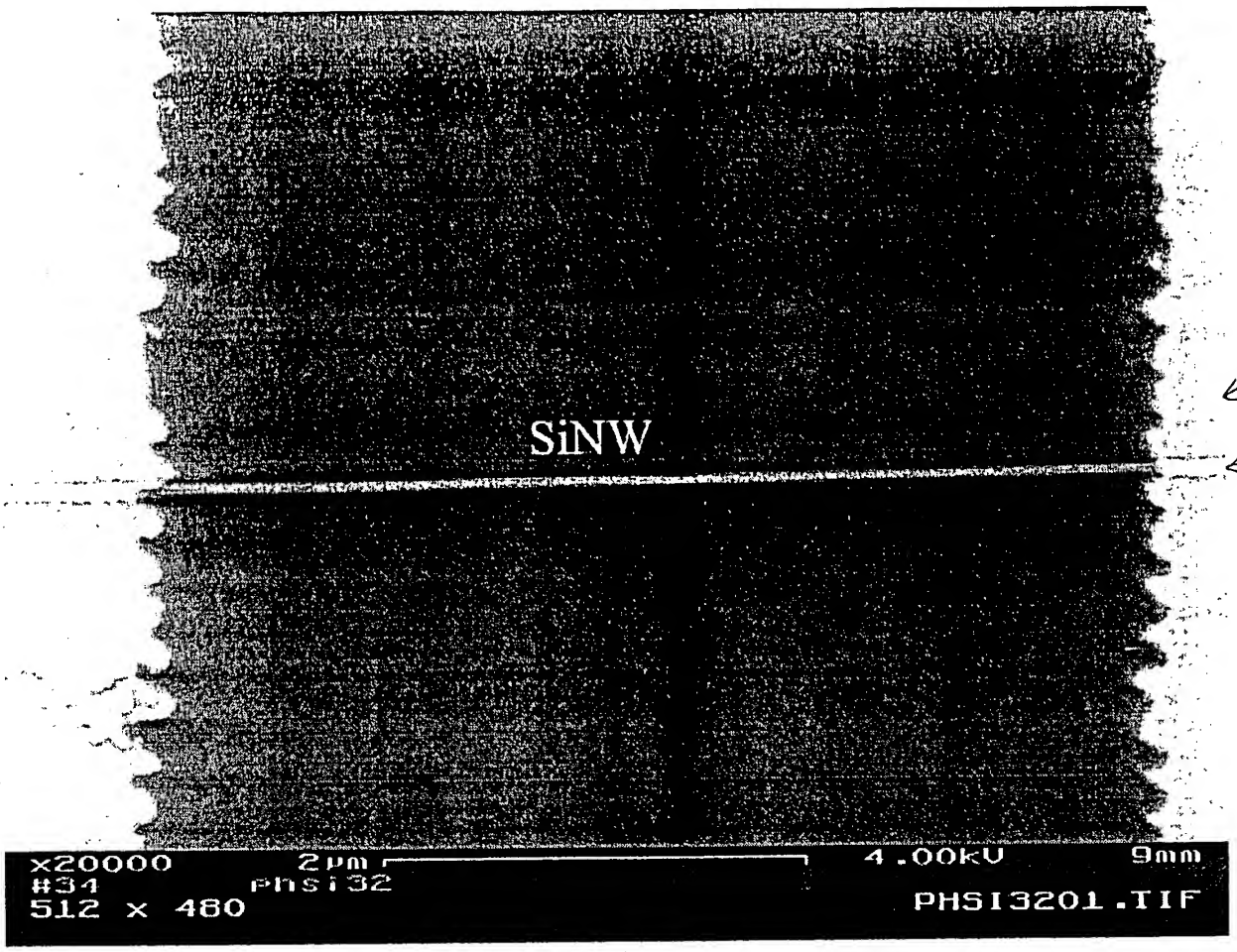


Fig 3b



FOR EFS-Proof

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Inventor: Charles Lieber et al.

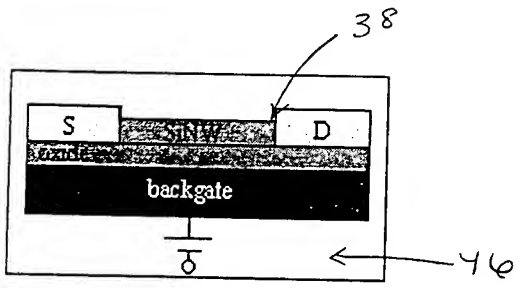
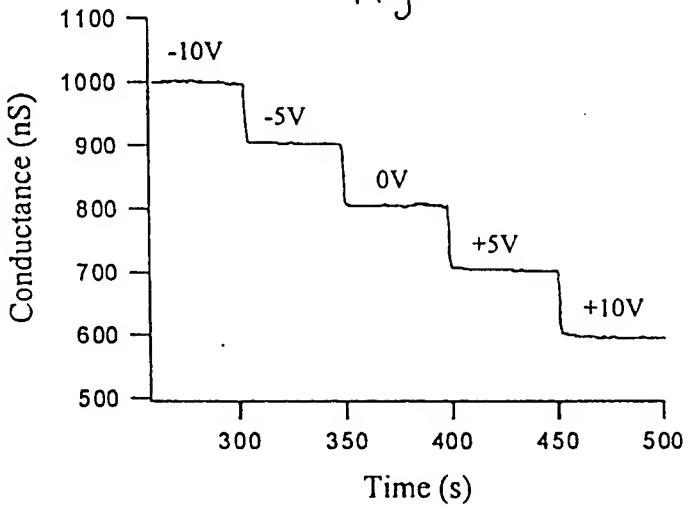


Figure 4a

Fig. 4b



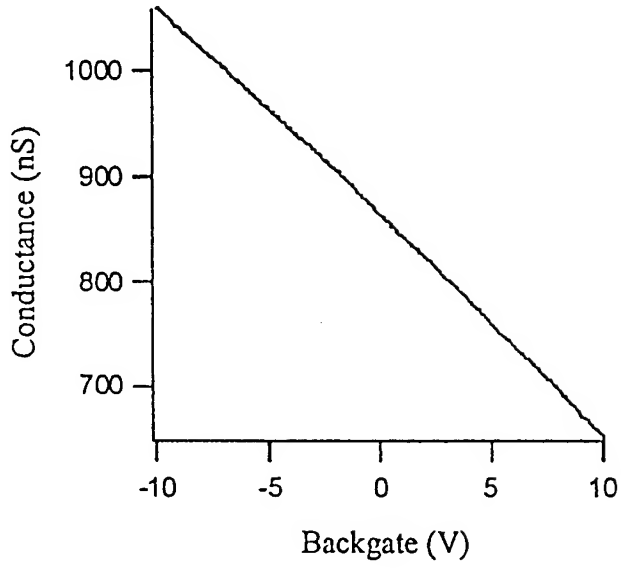


Fig 4c

FIG. 5a

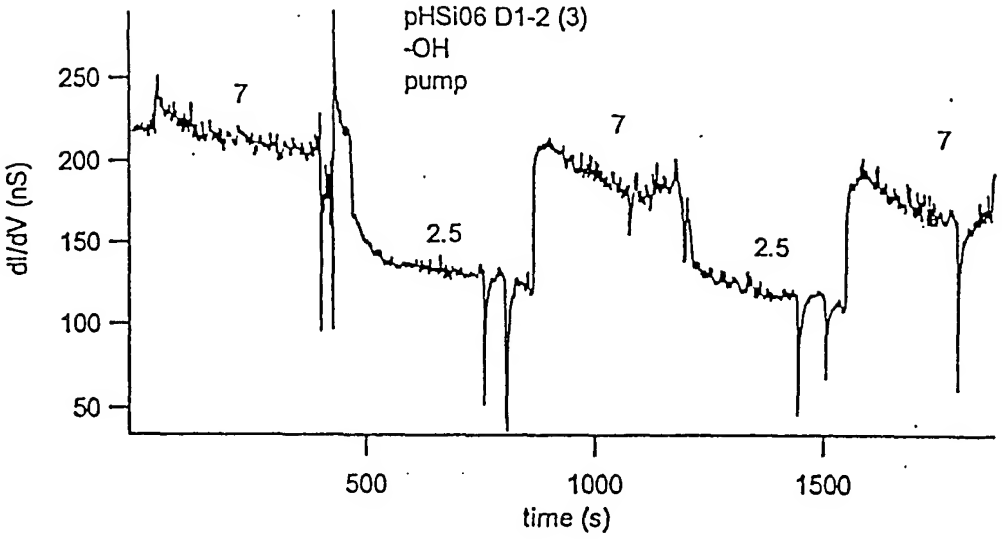

pHSi06 D1-2 (3)
-OH
pump
dI/dV (nS)
time (s)
250
200
150
100
50
500
1000
1500
7
2.5
7
2.5
7

FIG. 5b

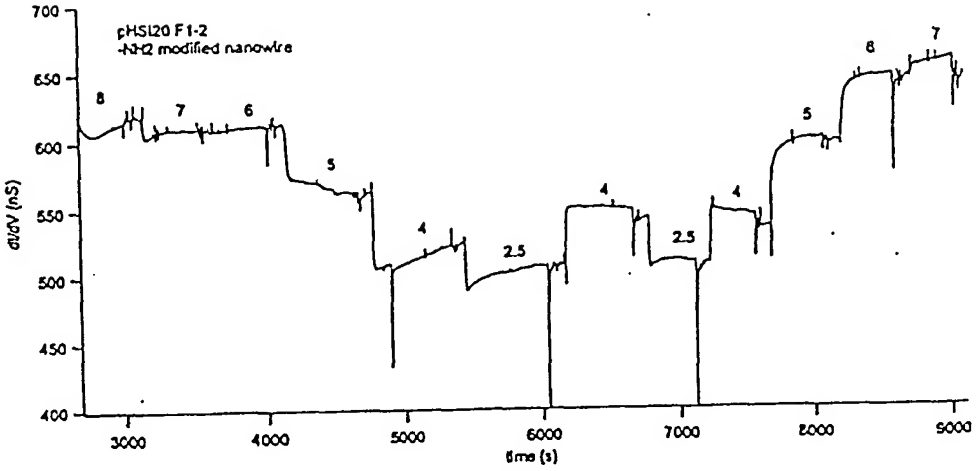
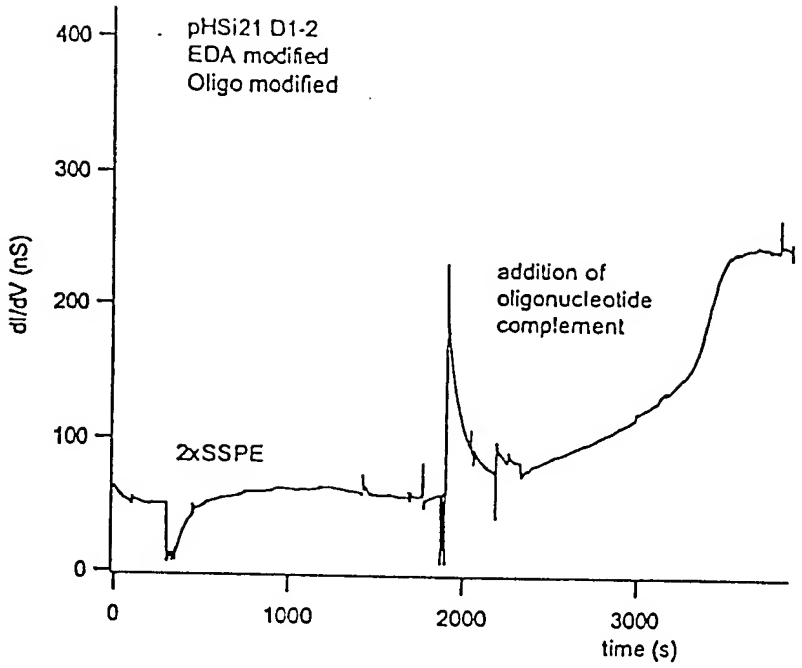

pHSi20 F1-2
-N2-t2 modified nanowire
dI/dV (nS)
time (s)
700
650
600
550
500
450
400
3000
4000
5000
6000
7000
8000
9000
8
7
6
5
4
2.5
4
2.5
4
5
6
7

FIG. 6


pHSi21 D1-2
EDA modified
Oligo modified
400
300
200
100
0
dI/dV (nS)
addition of
oligonucleotide
complement
2xSSPE
0
1000
2000
3000
time (s)

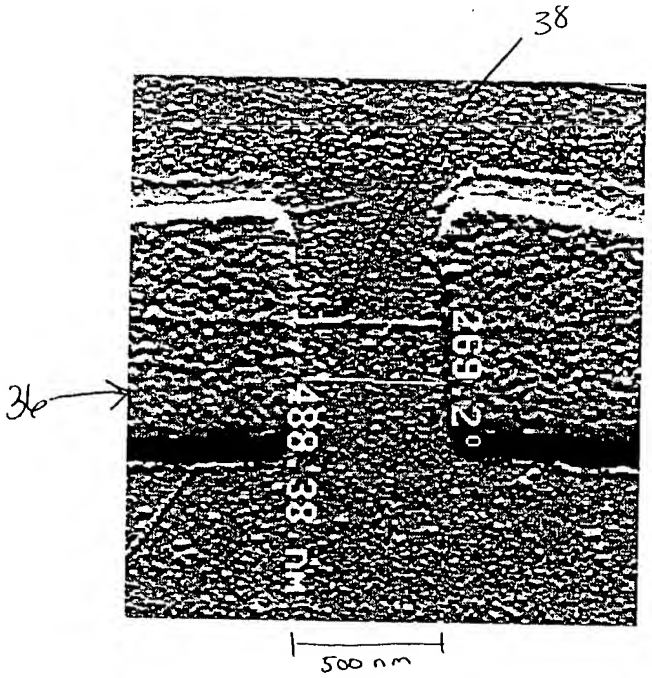

38
36
488-38 PM
488-69 2-0
500 nm

Fig. 7

FIG. 8a

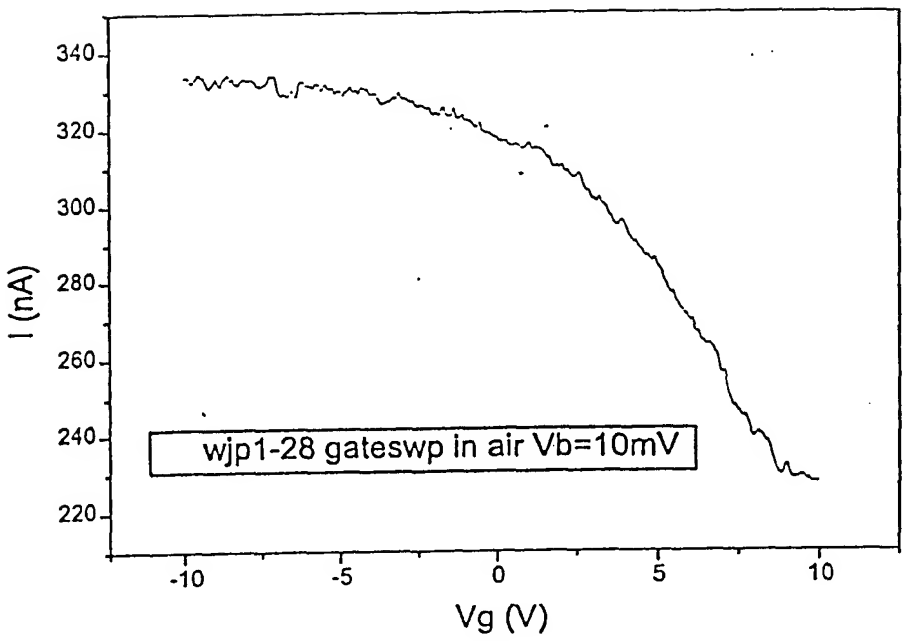


FIG. 8b

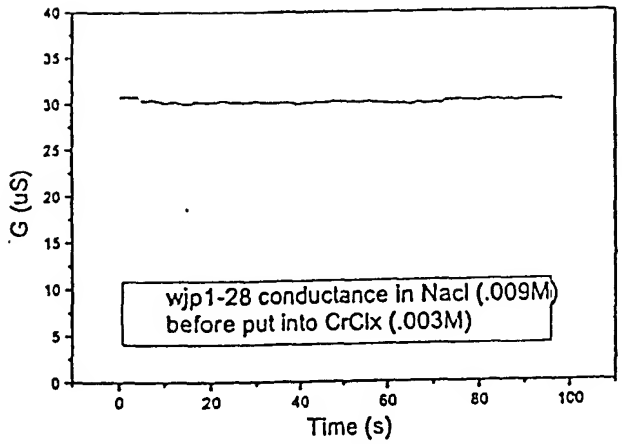
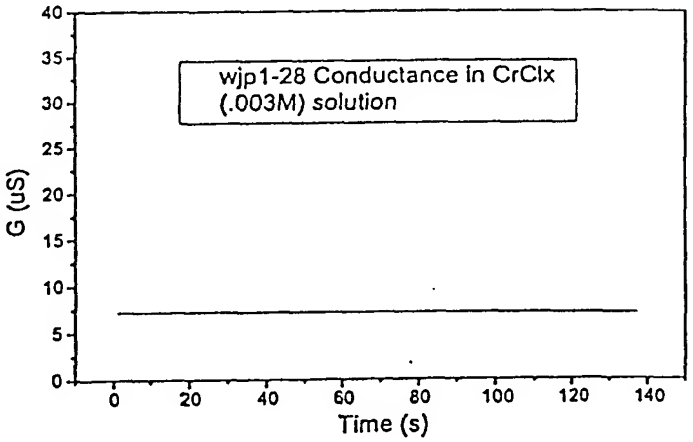
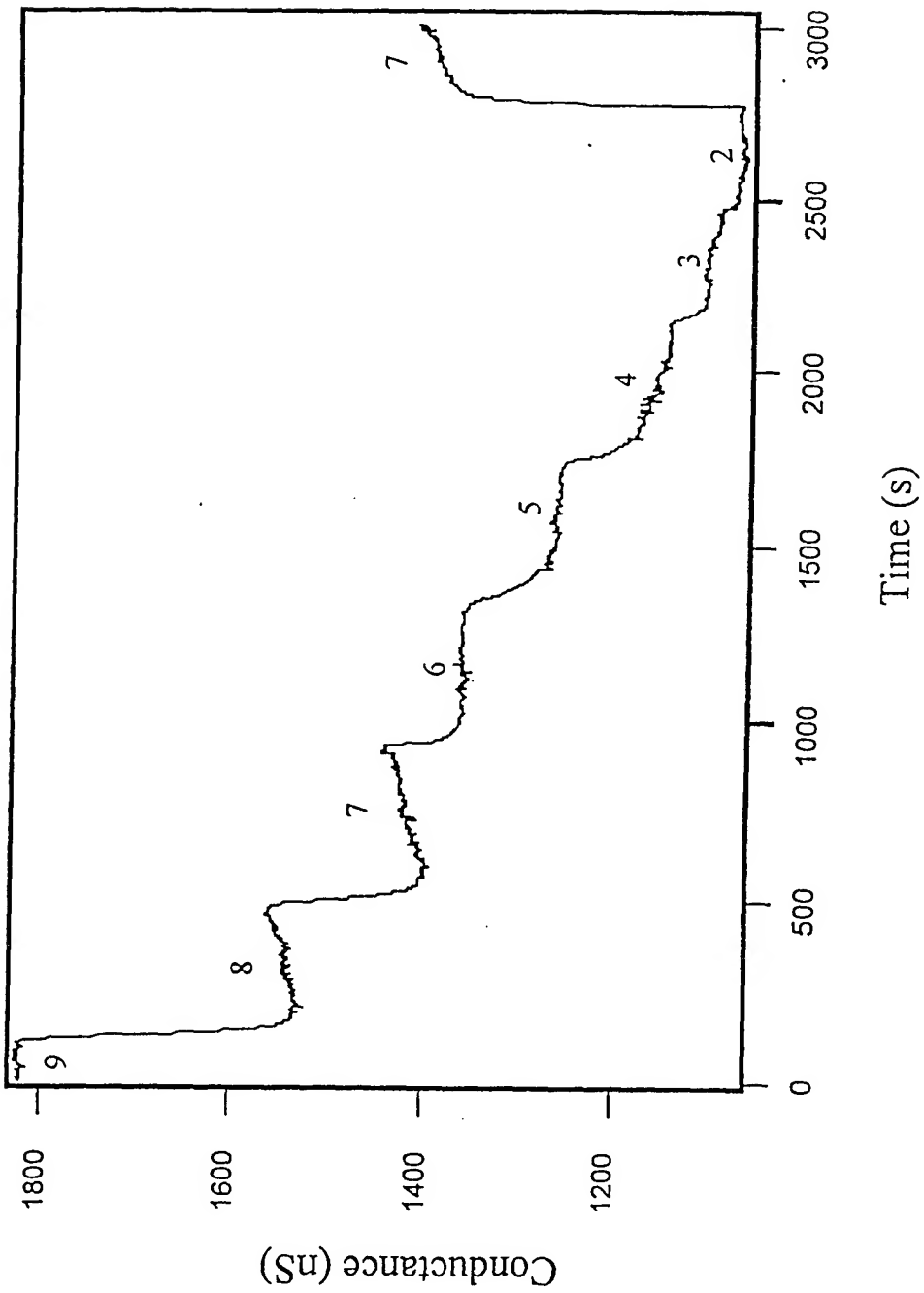


FIG. 8c



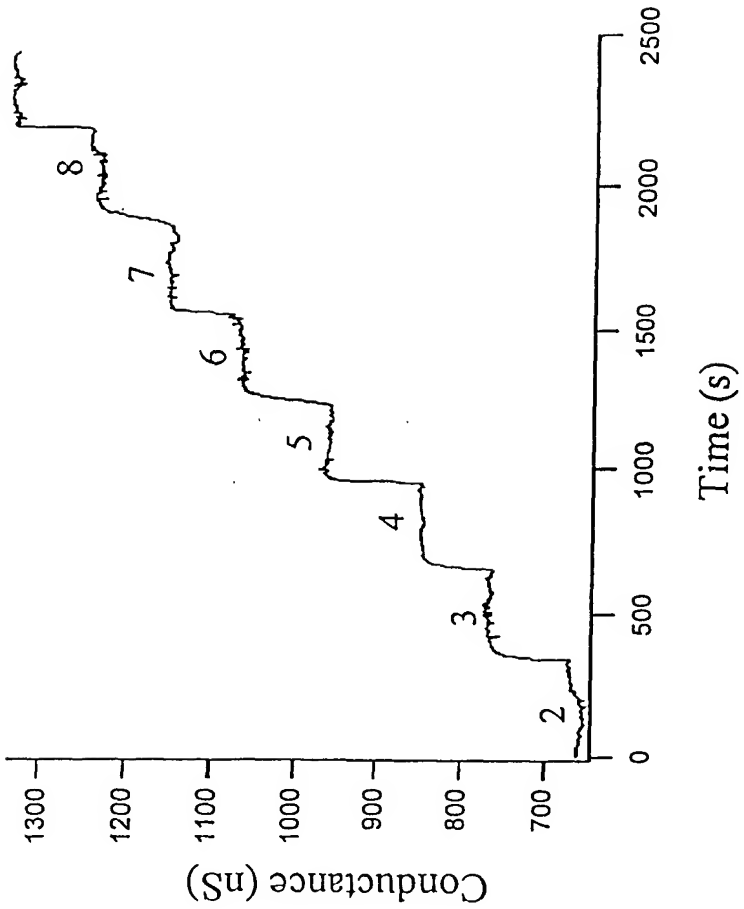
TOTEF "Indicator

Fig 9A



EOLAS - 4000207

Fig 9b



ENTET "HOOEDOE

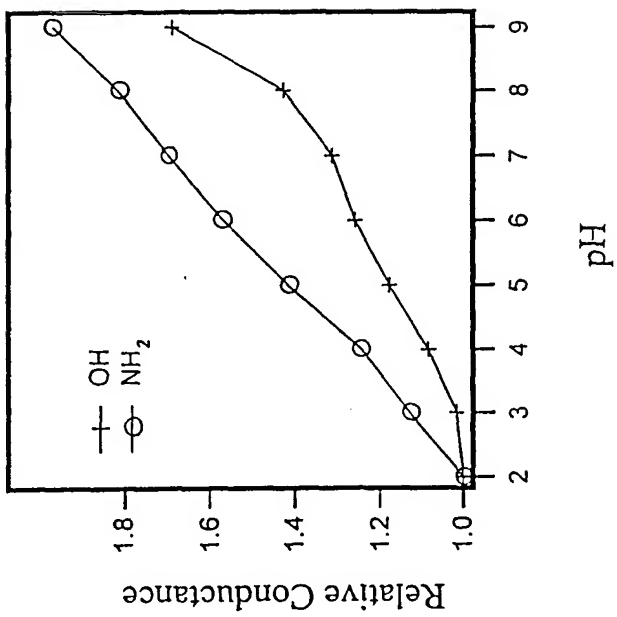


Fig. 9C

Fig. 10a

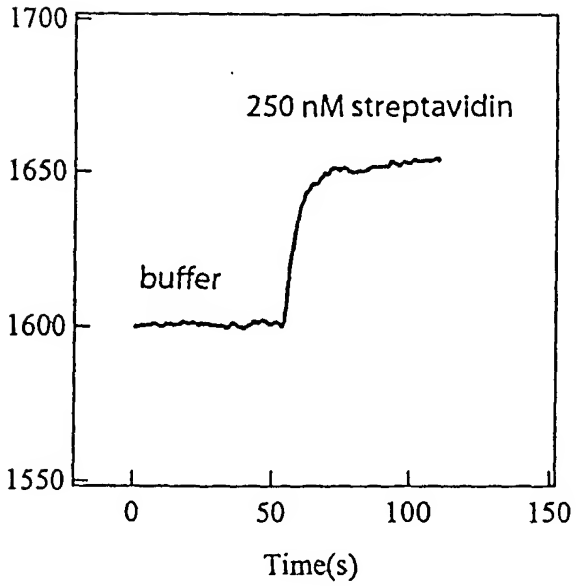


Fig. 10b.

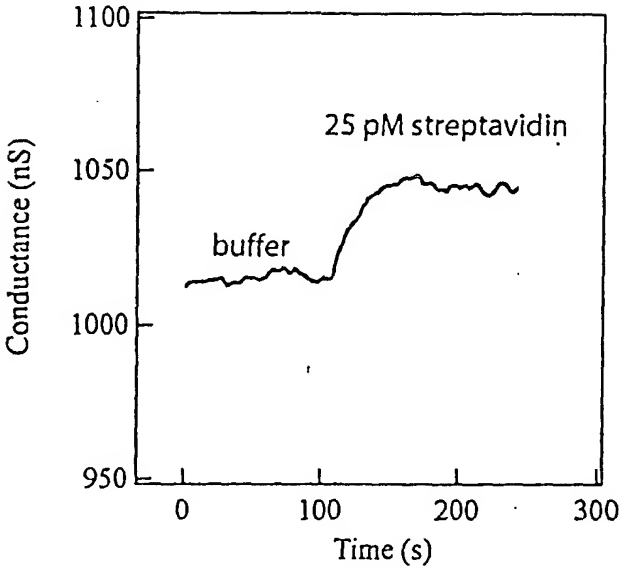


Fig 10c

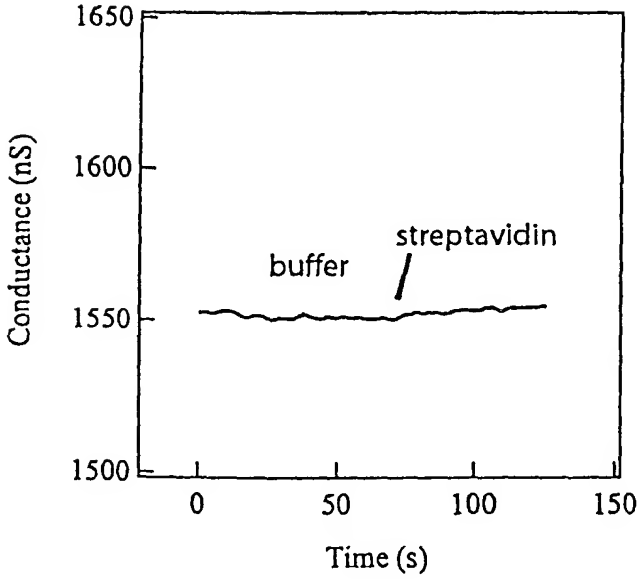
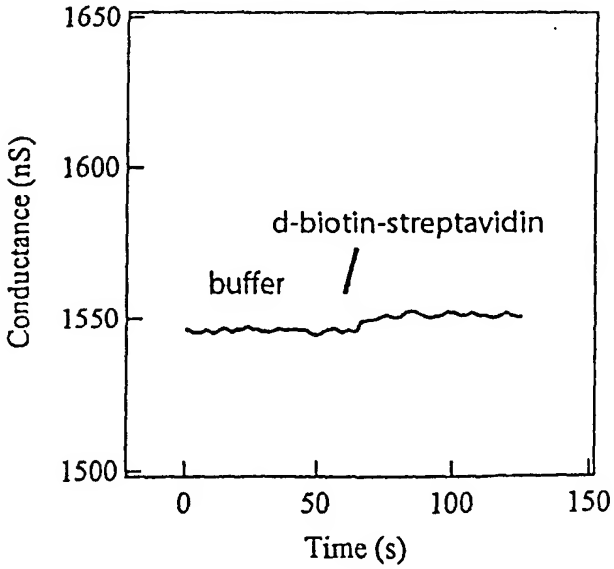


Fig. 10d



10/12/2004 10:12:27 AM

Fig 10e

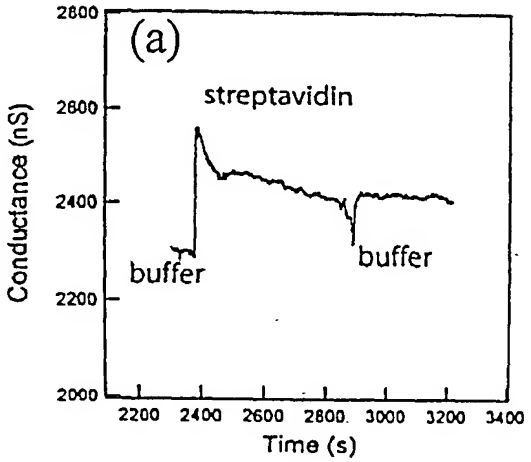


Fig 10f

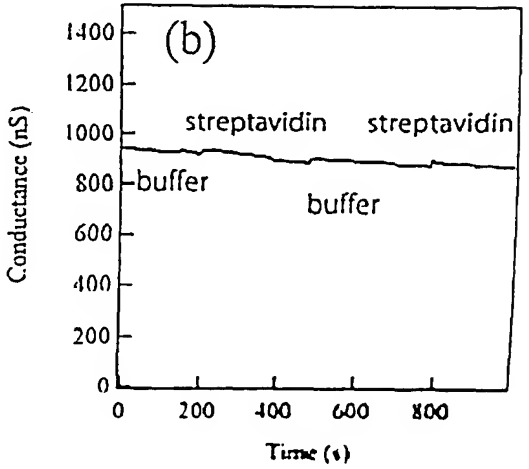


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Fig 11a

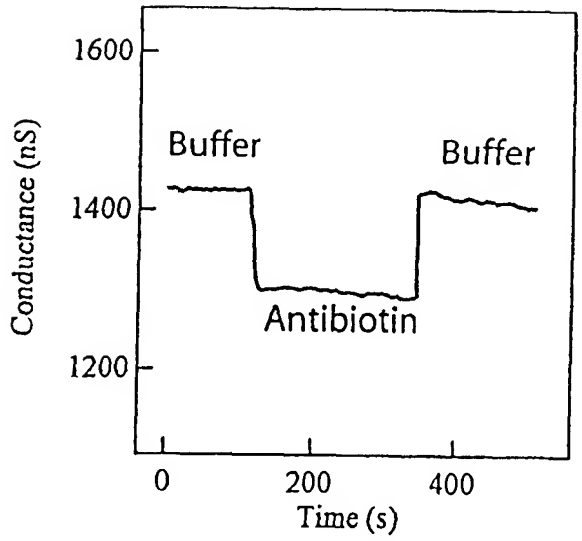


Fig 11b

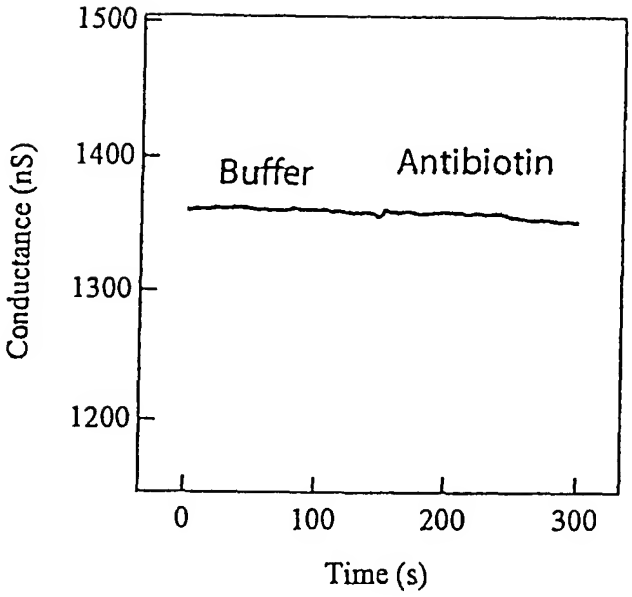


Fig 11c

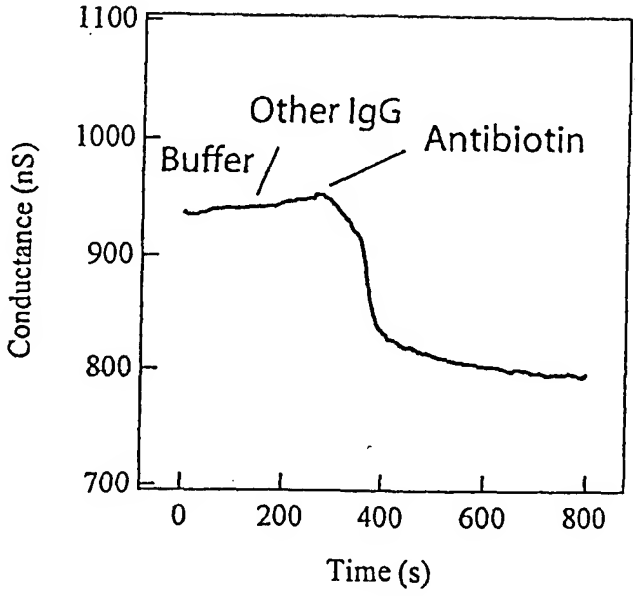
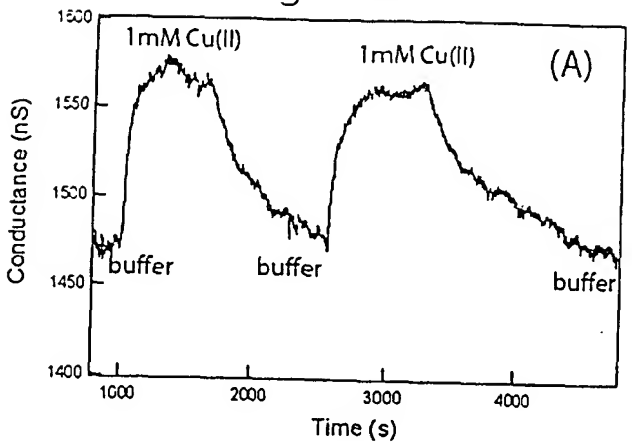


Exhibit 1004

Fig 12a



FOTET-H0498.DOT

Fig 12b

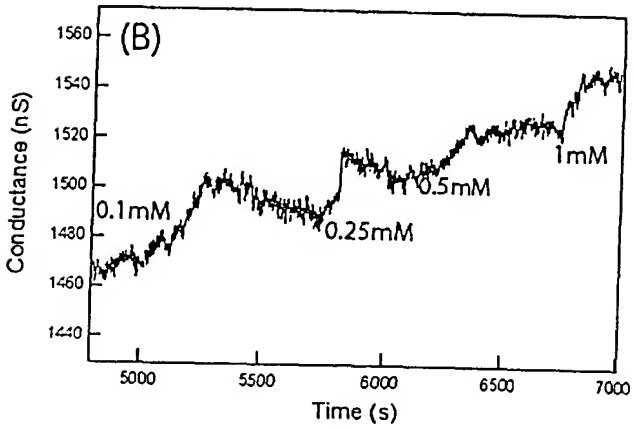


Fig 12c

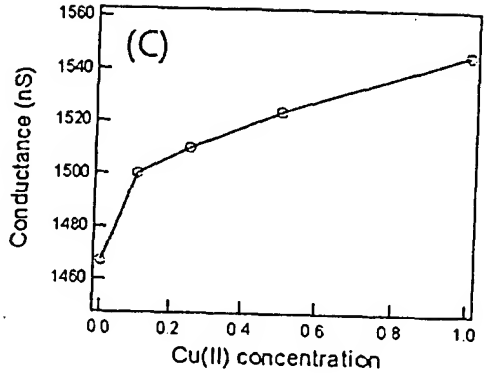
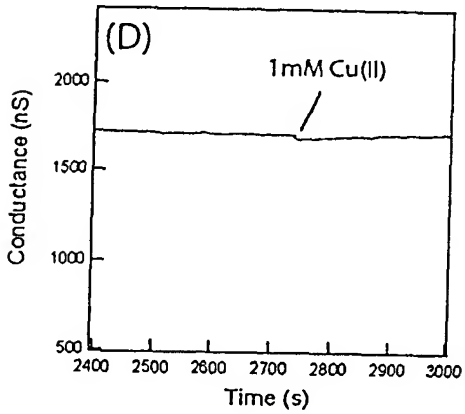


Fig 12d



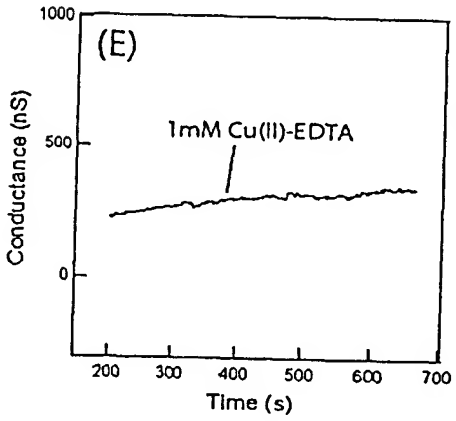


Fig 12e

FOCUS+DOCUMENT

Fig 13a

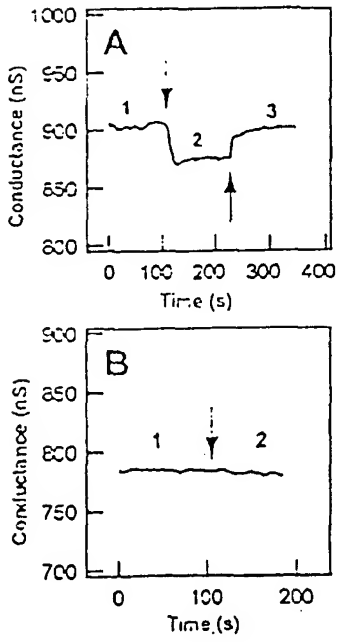


Fig 13b

10/22/07 H0002007

Sensitivity dependent on doping and size of nanowires

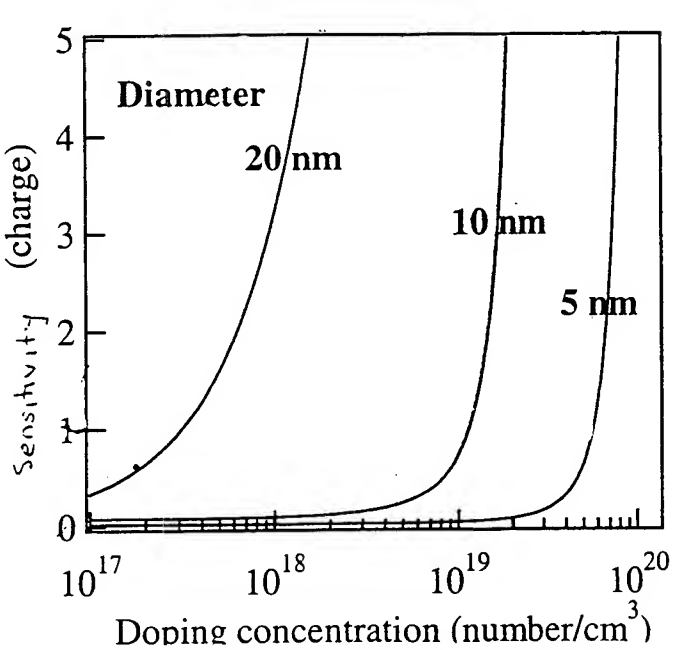


Fig 14a

Threshold doping density for single charge detection

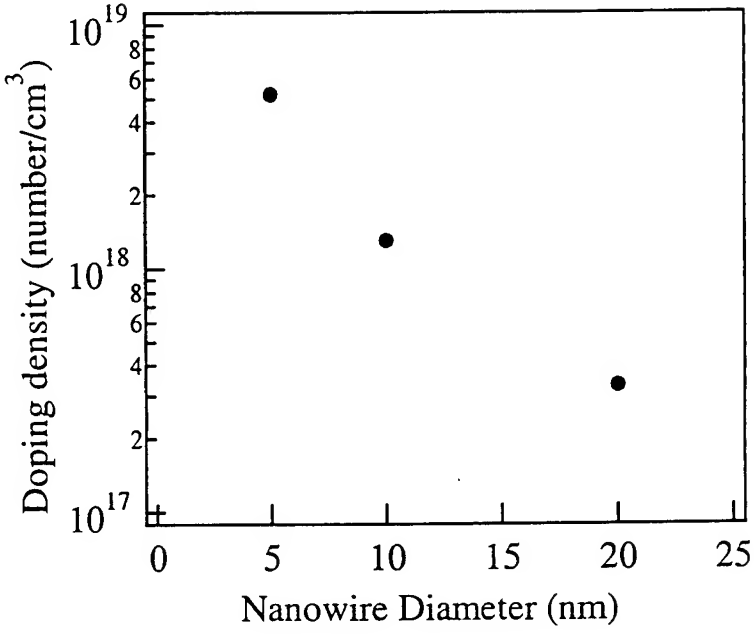


Fig 14b

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TOTAL P.002/005

InP pH Sensor

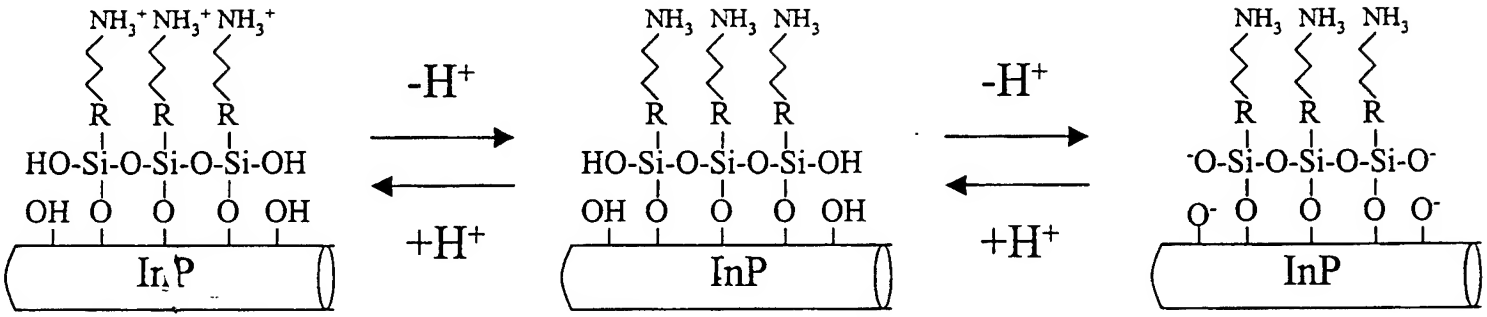

Fig 15a

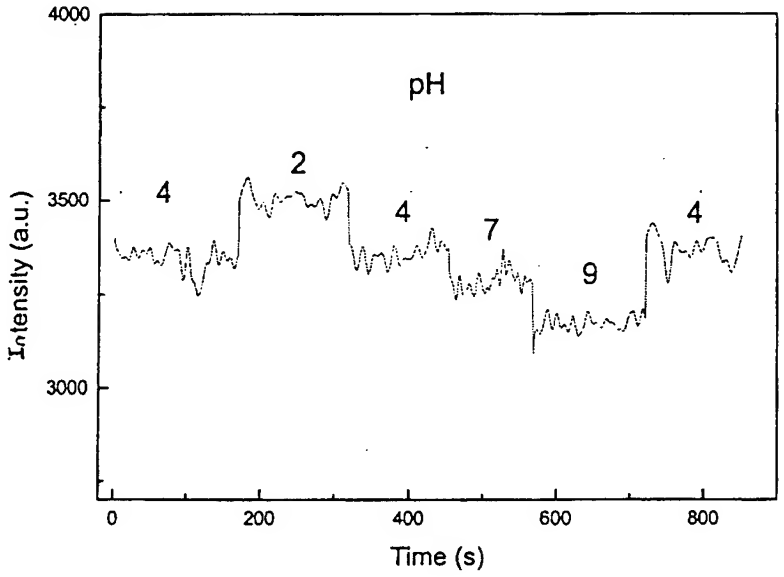

Fig 15b

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Title: NANOSENSORS
Inventor: Charles Lieber et al.

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Fig. 16a

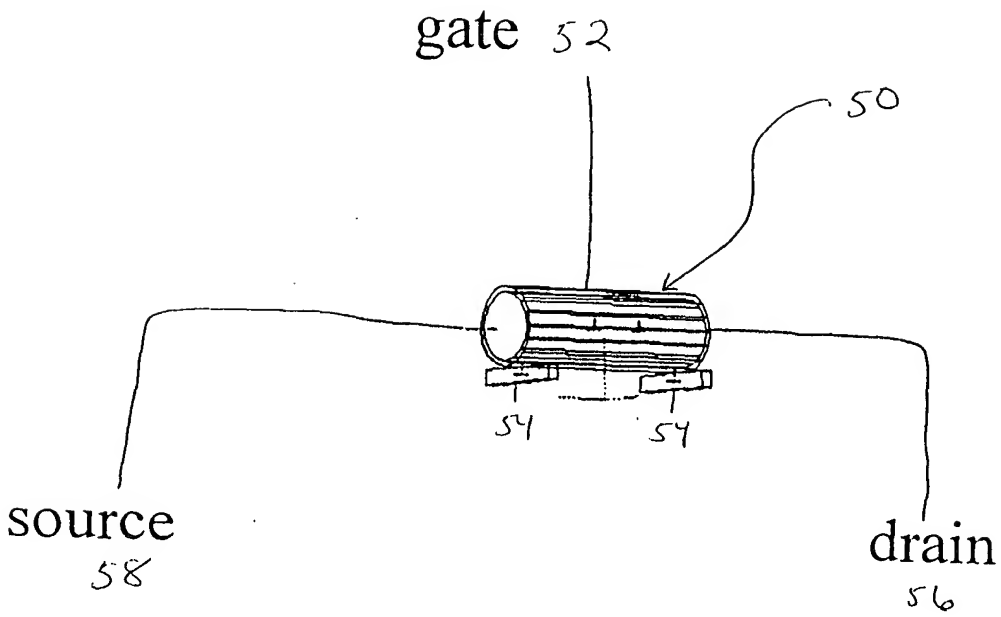

Fig. 16 b

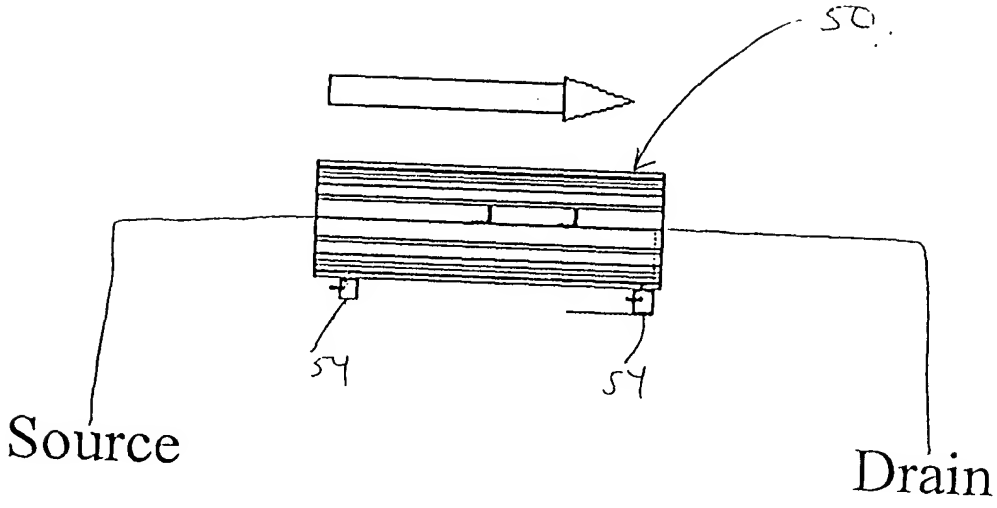

Fig. 16 c

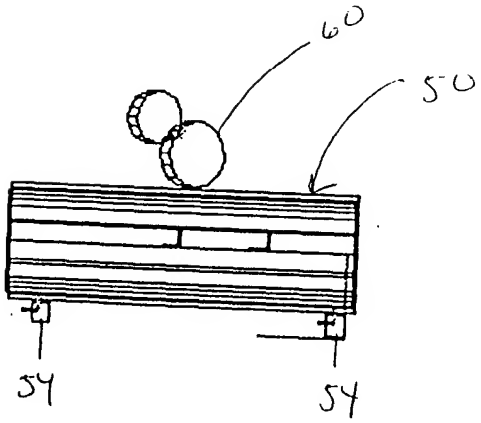
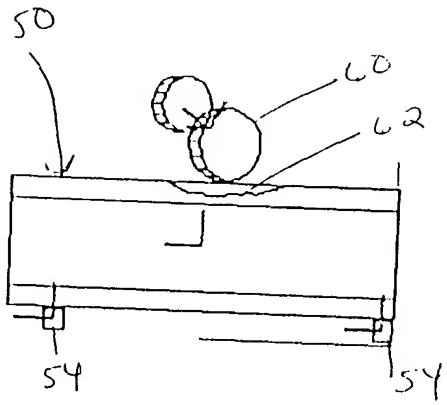
Fig. 16 d